

SENATE BILL 1107

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0lr3574
CF HB 1537

By: **Senator Garagiola**

Introduced and read first time: March 8, 2010

Assigned to: Rules

Re-referred to: Finance, March 18, 2010

Committee Report: Favorable with amendments

Senate action: Adopted

Read second time: March 28, 2010

CHAPTER _____

1 AN ACT concerning

2 **Renewable Energy Portfolio Standard – Renewable Energy Credits – Solar**
3 **Water Heating Systems**

4 FOR the purpose of providing that energy from a certain solar water heating system is
5 eligible for inclusion in meeting the renewable energy portfolio standard;
6 providing that a person that owns and operates a certain solar water heating
7 system shall receive a certain renewable energy credit under certain
8 circumstances; requiring the total amount of energy generated and consumed by
9 a commercial solar water heating system to be measured by a certain meter;
10 requiring the total amount of energy generated and consumed by a residential
11 solar water heating system to be measured in a certain way; prohibiting a
12 residential solar water heating system from producing more than a certain
13 number of solar renewable energy credits in any one year; defining a certain
14 term; altering a certain definition; requiring that certain solar water heating
15 systems be installed in accordance with applicable State and local plumbing
16 codes; and generally relating to the eligibility of solar water heating systems for
17 inclusion in meeting the renewable energy portfolio standard.

18 BY repealing and reenacting, without amendments,
19 Article – Public Utility Companies
20 Section 7–701(a)
21 Annotated Code of Maryland
22 (2008 Replacement Volume and 2009 Supplement)

EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter deleted from existing law.

Underlining indicates amendments to bill.

~~Strike-out~~ indicates matter stricken from the bill by amendment or deleted from the law by amendment.



1 BY adding to
2 Article – Public Utility Companies
3 Section 7–701(k–1) and 7–704(g)
4 Annotated Code of Maryland
5 (2008 Replacement Volume and 2009 Supplement)

6 BY repealing and reenacting, with amendments,
7 Article – Public Utility Companies
8 Section 7–701(l)
9 Annotated Code of Maryland
10 (2008 Replacement Volume and 2009 Supplement)

11 SECTION 1. BE IT ENACTED BY THE GENERAL ASSEMBLY OF
12 MARYLAND, That the Laws of Maryland read as follows:

13 **Article – Public Utility Companies**

14 7–701.

15 (a) In this subtitle the following words have the meanings indicated.

16 **(k–1) (1) “SOLAR WATER HEATING SYSTEM” MEANS A SYSTEM THAT**
17 **GENERATES ENERGY USING SOLAR RADIATION FOR THE PURPOSE OF HEATING**
18 **WATER.**

19 **(2) “SOLAR WATER HEATING SYSTEM” DOES NOT INCLUDE A**
20 **SYSTEM THAT GENERATES ENERGY USING SOLAR RADIATION FOR THE SOLE**
21 **PURPOSE OF HEATING A HOT TUB OR SWIMMING POOL.**

22 (l) “Tier 1 renewable source” means one or more of the following types of
23 energy sources:

24 (1) solar **ENERGY, INCLUDING ENERGY FROM PHOTOVOLTAIC**
25 **TECHNOLOGIES AND SOLAR WATER HEATING SYSTEMS;**

26 (2) wind;

27 (3) qualifying biomass;

28 (4) methane from the anaerobic decomposition of organic materials in
29 a landfill or wastewater treatment plant;

30 (5) geothermal;

31 (6) ocean, including energy from waves, tides, currents, and thermal
32 differences;

1 (7) a fuel cell that produces electricity from a Tier 1 renewable source
2 under item (3) or (4) of this subsection;

3 (8) a small hydroelectric power plant of less than 30 megawatts in
4 capacity that is licensed or exempt from licensing by the Federal Energy Regulatory
5 Commission; and

6 (9) poultry litter-to-energy.

7 7-704.

8 **(G) (1) ENERGY FROM A SOLAR WATER HEATING SYSTEM IS ELIGIBLE**
9 **FOR INCLUSION IN MEETING THE RENEWABLE ENERGY PORTFOLIO STANDARD.**

10 **(2) A PERSON THAT OWNS AND OPERATES A SOLAR WATER**
11 **HEATING SYSTEM SHALL RECEIVE A RENEWABLE ENERGY CREDIT EQUAL TO**
12 **THE AMOUNT OF ENERGY, CONVERTED FROM BTUS TO KILOWATT HOURS, THAT**
13 **IS GENERATED BY THE SYSTEM THAT IS USED BY THE PERSON FOR WATER**
14 **HEATING.**

15 **(3) THE TOTAL AMOUNT OF ENERGY GENERATED AND CONSUMED**
16 **FOR A COMMERCIAL SOLAR WATER HEATING SYSTEM SHALL BE MEASURED BY A**
17 **METER THAT:**

18 **(I) MEETS THE REQUIRED STANDARDS OF THE**
19 **INTERNATIONAL ORGANIZATION OF LEGAL METROLOGY; AND**

20 **(II) IS CAPABLE OF PROVIDING ENERGY PRODUCTION DATA**
21 **ONLINE TO THE COMMISSION.**

22 **(4) THE TOTAL AMOUNT OF ENERGY GENERATED AND CONSUMED**
23 **BY A RESIDENTIAL SOLAR WATER HEATING SYSTEM SHALL BE MEASURED:**

24 **(I) 1. BY A METER THAT MEETS THE REQUIRED**
25 **STANDARDS OF THE INTERNATIONAL ORGANIZATION OF LEGAL METROLOGY;**
26 **AND**

27 **2. IS CAPABLE OF PROVIDING ENERGY PRODUCTION**
28 **DATA ONLINE TO THE COMMISSION; OR**

29 **(II) BY THE SOLAR RATINGS AND CERTIFICATION**
30 **CORPORATION'S OG-300 ANNUAL PRODUCTION ESTIMATE FOR THE SYSTEM.**

1 **(5) A RESIDENTIAL SOLAR WATER HEATING SYSTEM MAY NOT**
2 **PRODUCE MORE THAN FIVE SOLAR RENEWABLE ENERGY CREDITS IN ANY**
3 **1 YEAR.**

4 SECTION 2. AND BE IT FURTHER ENACTED, That solar water heating
5 systems, as defined in § 7-701 of the Public Utility Companies Article, as enacted by
6 Section 1 of this Act, shall be installed in accordance with applicable State and local
7 plumbing codes.

8 SECTION ~~2~~ 3. AND BE IT FURTHER ENACTED, That this Act shall take
9 effect October 1, 2010.

Approved:

Governor.

President of the Senate.

Speaker of the House of Delegates.